

PLUMBING ABBREVIATIONS

A/E	ARCHITECT / ENGINEER	L/S	LITER PER SECOND
AD	AREA DRAIN	LA	LABORATORY AIR
AFF	ABOVE FINISH FLOOR	LAV	LAVATORY
AFG	ABOVE FINISH GRADE	LBS/HR	POUNDS PER HOUR
AG	AIR GAP	LCW	LABORATORY COLD WATER
AP	ACCESS PANEL	LHW	LABORATORY HOT WATER
AS	AUTOMATIC SPRINKLER	LHWR	LABORATORY HOT WATER RETURN
ASD	ADJUSTABLE SPEED DRIVES	LNG	LIQUID NATURAL GAS
ASD	AUTOMATIC SPRINKLER DRAIN	LOK	LIQUID OXYGEN
ASHRAE	AMERICAN SOCIETY HEATING, REFRIGERATION, AIR CONDITIONING ENGINEERS	LV	LABORATORY VACUUM
		LW	LABORATORY WASTE
		LWW	LABORATORY WASTE VENT
ASME	AMERICAN SOCIETY MECHANICAL ENGINEERS	M	METER
ASPE	AMERICAN SOCIETY PLUMBING ENGINEERS	MA	MEDICAL AIR
ASR	AUTOMATIC SPRINKLER RISER	MAV	MANUAL AIR VENT
AV	ACID VENT	MPH	1000 BTUH
AW	ACID WASTE	MED	MEDICAL
		MER	MECHANICAL EQUIPMENT ROOM
		MH	MANHOLE
BFP	PRESSURE BACKFLOW PREVENTER	MOU	MEMORANDUM OF UNDERSTANDING
BHP	BREAK HORSEPOWER	MOP	MOP SERVICE BASIN
BSP	BLACK STEEL PIPE	MV	MEDICAL VACUUM
BT	BATHTUB		
BTU	BRITISH THERMAL UNIT		
BTUH	BRITISH THERMAL UNIT PER HOUR	(N)	NEW, NEW WORK
		N2	NITROGEN
		N2O	NITROUS OXIDE
		NC	NORMALLY CLOSED
		NG	NATURAL GAS
		NIC	NOT IN CONTRACT
		NO	NORMALLY OPEN
		NOM	NOMINAL
		NFW	NON POTABLE WATER
		NTC	NOT TO SCALE
		O2	OXYGEN
		OC	ON CENTER
		OD	OUTSIDE DIAMETER
		OFD	OVERFLOW DRAIN
		OR	OPERATING ROOM
		OVFL	OVERFLOW
		PA	PASCAL
		PD	PRESSURE DROP OR DIFFERENCE
		PDI	PLUMBING AND DRAINAGE INSTITUTE
		PG	PRESSURE GAGE
		PP	PLUMBING PUMP
		PPM	PARTS PER MILLION
		PRS	PRESSURE REDUCING STATION
		PRV	PRESSURE REDUCING VALVE
		PSI	POUNDS PER SQUARE INCH
		PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
		PSIG	POUNDS PER SQUARE INCH GAUGE
		PTVR	PRESSURE TEMPERATURE RELIEF VALVE
		PW	POTABLE WATER
		RD	ROOF DRAIN
		RDL	ROOF DRAIN LEADER
		RL	ROOF LEADER
		RO	REVERSE OSMOSIS WATER
		RWL	RAIN WATER LEADER
		SAN	SANITARY SEWER
		SAN/CA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
		SCFM	STANDARD CUBIC FOOT/MINUTE
		SCW	SOFTENED COLD WATER
		SD	STORM DRAIN
		SDMH	STORM DRAIN MANHOLE
		SP	SUMP PUMP
		SPR	SPRINKLER LINE
		SQFT	SQUARE FEET
		SS	STAINLESS STEEL
		ST	STORAGE TANK
		SW	STORM WATER
		TCV	TEMPERATURE CONTROL VALVE
		TD	TEMPERATURE DIFFERENCE
		TDH	TOTAL DYNAMIC HEAD
		TEMP	TEMPERATURE
		TMW	THERMOSTATIC MIXING VALVE
		TP	TRAP PRIMER
		TSTAT	THERMOSTAT
		TWR	TEMPERED WATER RETURN
		TWS	TEMPERED WATER SUPPLY
		TYP	TYPICAL
		UPC	UNIFORM PLUMBING CODE
		UR	URINAL
		V	VENT
		VAC	VACUUM
		VB	VACUUM BREAKER
		VCO	VACUUM CLEANER OUTLET
		VP	VACUUM PUMP
		VS	VENT STACK
		VTR	VENT THROUGH ROOF
		W	WASTE
		WC	WATER CLOSET
		WCO	WALL CLEANOUT
		WG	WATER GAGE
		WH	WALL HYDRANT
		WH	WATER HEATER
		WHA	WATER HAMMER ARRESTER
		WL	WATER LINE
		WM	WATER METER
		WPD	WATER PRESSURE DROP
		WS	WASTE STACK
		YCO	YARD CLEANOUT
		YH	YARD HYDRANT

NOTE:
ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE INDICATED ON THE DRAWINGS.

PLUMBING PIPING SYMBOLS

---	EXISTING TO REMAIN
----	EXISTING TO BE REMOVED
DCW	DOMESTIC COLD WATER, COLD WATER
DHW	DOMESTIC HOT WATER, HOT WATER
DHWR	DOMESTIC HOW WATER RETURN, HOT WATER RETURN
DWS	DRINKING WATER SUPPLY
MA	MEDICAL AIR
CA	COMPRESSED AIR
MPA	MEDIUM PRESSURE COMPRESSED AIR
HPA	HIGH PRESSURE COMPRESSED AIR
MV	MEDICAL VACUUM
LA	LABORATORY AIR
LV	LABORATORY VACUUM
OV	ORAL EVACUATION
IA	INDUSTRIAL AIR
D	DRAIN
SAN	SANITARY SEWER
SS	SANITARY SEWER (OPTIONAL)
SAN	SANITARY SEWER, BELOW GRADE
SD	SANITARY VENT
SD	STORM WATER
SD	STORM WATER, BELOW GRADE
DT	PERIMETER OR UNDERSLAB DRAIN TILE
SCW	SOFTEN COLD WATER
FCW	FILTERED COLD WATER
ROS	REVERSE OSMOSIS WATER SUPPLY
ROR	REVERSE OSMOSIS WATER RETURN
TWS	TEMPERED WATER SUPPLY
TWR	TEMPERED WATER RETURN
N2O	NITROUS OXIDE
O2	OXYGEN
N2	NITROGEN
LPG	LIQUEFIED PETROLEUM (LP) GAS
NG	NATURAL GAS
NG	NATURAL GAS, BELOW GRADE
LW	LABORATORY WASTE
LW	LABORATORY WASTE BELOW GRADE
LW	LABORATORY WASTE VENT

PLUMBING VALVE SYMBOLS

---	BALANCING VALVE
---	GATE VALVE (ISOLATION VALVE)
---	ISOLATION VALVE WITH 3/4" HOSE ADAPTER
---	CHECK VALVE
---	ANGLE GLOBE VALVE
---	BUTTERFLY VALVE
---	BALL VALVE
---	MODULATING CONTROL VALVE
---	TWO POSITION CONTROL VALVE
---	THREE--WAY MODULATING CONTROL VALVE
---	THREE--WAY TWO POSITION CONTROL VALVE
---	PRESSURE REGULATING VALVE
---	AUTOMATIC FLOW CONTROL VALVE
---	PRESSURE RELIEF VALVE
---	MANUAL AIR VENT
---	TEST PLUG (PRESSURE/TEMPERATURE)
---	AUTOMATIC AIR VENT
---	BACKFLOW PREVENTER

GENERAL PLUMBING SYMBOLS

---	DIRECTION OF PIPE PITCH (DOWN)
---	DIRECTION OF FLOW
---	ANCHOR
---	REDUCER OR INCREASER
---	ECCENTRIC REDUCER
---	TOP CONNECTION, 45° OR 90°
---	BOTTOM CONNECTION, 45° OR 90°
---	SIDE CONNECTION
---	CAPPED OUTLET
---	RISE OR DROP IN PIPE
---	UNION
---	PIPE UP
---	PIPE DOWN
---	POINT OF CONNECTION TO EXISTING WORK
---	LIMIT OF DEMOLITION
---	STRAINER
---	THERMOMETER
---	PRESSURE GAGE
---	FLOW ELEMENT
---	CLEAN OUT
---	HOSE BIB
---	FLOOR DRAIN

DRAWING SYMBOLS

2	KEY NOTE SYMBOL
2 3	MULTIPLE KEY NOTES APPLYING TO THE SAME ITEM
2 XXX	DETAIL NUMBER
2 XXX	DRAWING NUMBER WHERE DRAWN
A XXX	SECTION LETTER
A XXX	DRAWING NUMBER WHERE SHOWN
26-P 3	BUILDING NO. WHERE EQUIPMENT IS LOCATED.
26-P 3	EQUIPMENT ABBREVIATION (PUMP)
26-P 3	PUMP NO. 3 IN BUILDING NO. 26
26-P 3	TYPICAL UNIT NO.
1 A	RISER IDENTIFICATION
1	1 HR FIRE RATED WALL
2	2 HR FIRE RATED WALL
---	SMOKE WALL
---	AREA OF WORK

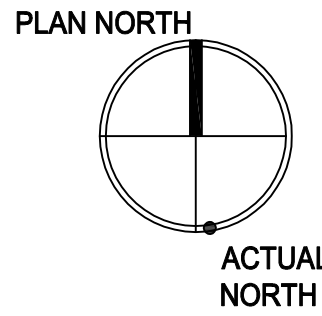
GENERAL NOTES

- GENERAL**
- PRIOR TO ANY WORK COMMENCING IN AN AREA, THE CONTRACTOR SHALL NOTIFY THE COR OF HIS INTENTION TO WORK IN THE AREA AND SHALL SCHEDULE A WALKTHROUGH WITH THE COR TO DETERMINE EXISTING CONDITIONS. AFTER THE WORK, THE EXISTING WORK AREAS SHALL BE RETURNED TO THEIR ORIGINAL STATE BEFORE FINAL APPROVAL SHALL BE GIVEN.
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, INVERTS, PIPE SIZES AND MATERIALS, FLUID FLOW DIRECTION(S) AND CONDITIONS AT THE SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING INSTALLATION OR FABRICATION WORK. (DO NOT SCALE DRAWINGS).
 - THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES EVEN IF THE UTILITIES ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL REPAIR ALL DAMAGES AT THEIR OWN EXPENSE AND WILL BE RESPONSIBLE FOR ANY ADDITIONAL DAMAGES CAUSED BY A SYSTEM BEING DOWN.
 - DAMAGE TO EXISTING WALLS, CEILINGS AND FLOORS DUE TO THE WORK OF THIS CONTRACTOR, INCLUDING REMOVAL OF FLOOR DRAIN AND PIPE PENETRATIONS, SHALL BE RESTORED TO ORIGINAL CONDITION. REFER TO ARCHITECTURAL DOCUMENTS FOR FINISHES.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THAT ALL RULES AND REGULATIONS, INCLUDING THOSE WHICH MAY BE ISSUED BY THE OWNER, ARE BEING OBSERVED, PARTICULARLY WORKPLACE SAFETY AND THE CONDUCT OF ALL THOSE EMPLOYED DIRECTLY AND INDIRECTLY BY HIM ON THE PREMISES, AND THE OWNER'S EMPLOYEES WHO MAY BE IMPACTED OR AFFECTED BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL INSTALL SIGNAGE, TEMPORARY FENCES, BARRIERS, AND OTHER MEANS TO PROVIDE WARNING AND PERSONNEL SAFETY. PLACEMENT OF THESE ITEMS WILL BE COORDINATED WITH THE OWNER AND HIS ONGOING OPERATIONS AND WILL PROMPTLY BE RESTORED WHEN WORK IN A PARTICULAR AREA HAS BEEN COMPLETED.
 - ALL WORK WILL BE LAWFULLY EXECUTED IN A NEAT AND WORKMANLIKE MANNER AND WILL BE DONE IN ACCORDANCE WITH THE GOVERNING CODES, INDUSTRY STANDARDS AND IN CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
 - WORK UNDER THIS CONTRACT SHALL CONSIST OF THE CONTRACTOR PROVIDING ALL LABOR, MATERIALS, AND SERVICES, INCLUDING WORK NOT SPECIFICALLY SHOWN BUT REASONABLY IMPLIED.
 - WORK ALL DRAWINGS WITH THE PROJECT SPECIFICATIONS.
 - PIPING SHOWN ON RESPECTIVE PLANS OCCURS ABOVE THAT FLOOR OR AT THE CEILING OF THAT FLOOR SERVING THE FLOOR ABOVE UNLESS OTHERWISE NOTED.
 - PIPING RISING WITHIN A STORY IS DESIGNATED AS "RISE". PIPING RISING TO ANOTHER STORY IS NOTED AS "UP". PIPING DROPPING WITHIN A STORY IS NOTED AS "DROP". PIPING DROPPING TO ANOTHER STORY IS NOTED AS "DN".
 - AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL COMPLETELY CLEAN ALL SURFACES OF CONSTRUCTION DEBRIS. SURFACES SHD BE WIPED CLEAN OF DUST, INCLUDING FIXTURES, WINDOW SILLS, DOOR FRAMES, ETC.. ANY TOILETS OR SINKS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY CLEANED AFTER THE CONSTRUCTION HAS BEEN COMPLETED USING NATURAL CLEANER.
 - THE CONTRACTOR SHALL RECEIVE ALL DELIVERIES OF MATERIALS, EQUIPMENT, TOOLS, OR OTHER GOODS OFF OF STATION, AND BRING THEM TO THE JOB SITE. THE VA MEDICAL CENTER SHALL NOT ACCEPT DELIVERIES FOR PROJECT PURPOSES.
- PLUMBING NOTES**
- ALL PIPING MATERIALS AND COMPONENTS INCLUDING FITTINGS, PIPE, FLANGES, VALVES, ETC. SHALL BE DESIGNATED, FABRICATED AND INSTALLED PER THE APPROPRIATE SECTIONS OF THE LATEST CODES, VETERAN'S AFFAIRS PLUMBING STANDARDS AND PROJECT CONTRACT DOCUMENTS.
 - ALL SANITARY SEWERS 2" AND SMALLER SHALL SLOPE 1/4" PER FOOT (MIN), ALL SANITARY SEWERS 3" AND LARGER SHALL SLOPE 1/8" PER FOOT (MIN.) IN THE DIRECTION OF FLOW.
 - ALL HORIZONTALLY ROUTED WASTE VENTS SHALL BE INSTALLED WITH A SLOPE TO FACILITATE GRAVITY DRAINAGE TO THE WASTE SYSTEM.
 - ALL CLEANOUTS INSTALLED IN THE SEWER SYSTEM SHALL BE SIZED AS FOLLOWS:

PIPE SIZE	SIZE OF CLEANOUT
2"	2"
2-1/2"	2-1/2"
3"	3"
4" TO 6"	4"
 - CLEANOUTS INSTALLED IN HORIZONTAL DRAINAGE PIPING SHALL BE SPACED AT INTERVALS NOT EXCEEDING 100'.
 - THE MAXIMUM VERTICAL DISTANCE FROM THE FIXTURE OUTLET (LAVATORY, FLOOR DRAIN ETC.) TO THE TRAP WEIR SHALL BE 24".
 - SURFACES TO BE SOLDERED SHALL BE CLEANED BRIGHT, THE JOINTS SHALL BE PROPERLY FLUXED AND MADE WITH APPROVED SOLDER. SOLDER JOINTS FOR POTABLE WATER SHALL BE MADE WITH A SOLDER CONTAINING NOT MORE THAN 0.2 PERCENT LEAD.
 - UNIONS SHALL BE INSTALLED AT ALL EQUIPMENT. THE USE OF DIELECTRIC UNIONS AND FLANGES MUST BE INSTALLED IN AREAS WHERE JOINING OF DISSIMILAR METALS (e CARBON STEEL TO COPPER OR BRONZE, ETC.) THIS IS TO FACILITATE PIPING REMOVAL AND REASSEMBLY FOR FUTURE MAINTENANCE WORK AND/OR PREVENT GALVANIC CORROSION.
 - CONTRACTOR SHALL PROPERLY BRACE, ANCHOR, AND SUPPORT ALL PIPING, VALVES ETC. IN ACCORDANCE WITH MSS SP-58.
 - PIPE SUPPORT SPACING SHALL BE IN ACCORDANCE WITH MSS-58.
 - ALL POTABLE WATER BRANCHES SHALL BE INSTALLED WITH ISOLATION VALVES CLOSE TO MAIN.
 - ALL PLUMBING FIXTURES SHALL BE PROVIDED WITH WATER ISOLATION VALVES.
 - CONTRACTOR SHALL PROVIDE WALL ACCESS COVERS TO ALL CLEANOUTS AND VALVES LOCATED WITHIN WALLS.
 - ALL WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES SHALL BE PROTECTED IN ACCORDANCE WITH SPECIFICATIONS.
 - ALL PIPES OR TUBING WHICH PASS THROUGH RATED AND NON-RATED WALLS, FLOORS AND FOUNDATION WALLS, SHALL PASS THROUGH A SCHEDULE 40 CARBON STEEL PIPE SLEEVE. SLEEVES WHICH PASS THROUGH MASONRY SHALL BE GALVANIZED COATED. ALL SLEEVES SHALL BE INSTALLED FLUSH ON BOTH SIDES OF WALL PENETRATION. NON-RATED WALLS: THE SLEEVE SHALL BE SIZED TO ALLOW FREE PASSAGE OF INSULATED AND NON-INSULATED PIPES AND TUBING. RATED WALLS: PIPES WHICH PASS THROUGH FIRE-RATED WALLS & FLOOR SHALL USE THE APPROPRIATE DETAILED INSTALLATION METHOD OF SEALING WHILE MAINTAINING THE INTEGRITY OF THE WALL'S FIRE RATING(S). EXTENSION WALLS & FOUNDATION: PIPES WHICH PASS THROUGH EXTENSION WALLS OR FOUNDATION WALLS SHALL BE SEALED AND MADE WEATHER-TIGHT.
 - INSULATE COLD AND HOT WATER PIPING PER THE PROJECT DOCUMENTS WITH FIRE RETARDANT VAPOR BARRIER JACKET. PIPE INSULATION SHALL BE SEALED WITH A FIRE RESISTIVE ADHESIVE.
 - CONTRACTOR IS RESPONSIBLE FOR ALL TESTING AND COORDINATION OF INSPECTIONS OF THE ENTIRE POTABLE WATER, SANITARY SEWER AND VENT SYSTEMS. TESTING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE INTERNATIONAL PLUMBING CODE.
 - ALL PIPING AND VALVES SHALL BE PROPERLY IDENTIFIED, LABELED AND TAGGED. CONTRACTOR SHALL SUBMIT VALVE TAG LIST PER SPECIFICATIONS.
 - CONTRACTOR SHALL FLUSH AND DISINFECT THE ENTIRE POTABLE WATER SYSTEM. FLUSHING AND DISINFECTION OF THE POTABLE WATER SYSTEM SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE INTERNATIONAL PLUMBING CODE.
 - PROVIDE THREE (3) ELBOW SWING JOINTS FOR ALL DOMESTIC HOT WATER CONNECTIONS TO THE MAIN.
 - CONTRACTOR SHALL PROVIDE AND INSTALL THERMAL EXPANSION/CONTRACTION COMPENSATION IN THE DOMESTIC HOT WATER AND RECIRCULATION SYSTEMS, LIMITING THE MAXIMUM MOVEMENT TO 1-1/2" OR LESS. ANCHORS & RESTRAINTS SHALL BE INSTALLED WHERE NECESSARY. ALL PIPES SHALL BE PROPERLY GUIDED INTO THE THERMAL EXPANSION LOOPS OR COMPENSATORS.
 - NO PRESSURIZED PIPING SHALL BE TERMINATED AND ABANDONED IN A WALL OR OTHER INACCESSIBLE AREA. ALL TERMINATIONS SHALL INCLUDE REMOVAL OF PIPING BACK TO AN EASILY ACCESSIBLE AREA WHERE THE TERMINATION SHALL BE MADE.
 - ALL FIXTURES SUPPLIED WITH DOMESTIC USE HOT WATER SHALL BE PROVIDED WITH A MIXING VALVE AND ANTI-SCALD DEVICE TO LIMIT OUTLET WATER TEMPERATURE TO 110 DEG. F. IN ACCORDANCE WITH VA DIRECTIVE 1061.

**100% FOR CONSTRUCTION
FULLY SPRINKLERED**

Miller-Remick LLC M.E.P. & Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL NEW JERSEY 08034 PHONE: (856)423-4000 FAX: (856)423-5002		QPK DESIGN ARCHITECTURE ENGINEERING SITE & PLANNING 40012 MAIN STREET SYRACUSE, NEW YORK 13201-0029 TEL: 315-457-0100 FAX: 315-457-0100 QPK Job Number:		MILLER-REMICK LLC PROFESSIONAL ENGINEER 		Reviewed: Facility Manager Reviewed: Facility Director Reviewed: Reviewed:		Drawing Title PLUMBING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES Approved: Project Director		Project Title RENOVATION FOR 6C Building Number NO. 1 Location VAMC SYRACUSE, NY		Date 12-04-2015 Project No. 528A7-14-719 Drawing No. PL-001 Dwg. 40 Of 74		 VA HEALTHCARE NETWORK UPSTATE NEW YORK Department of Veterans Affairs	
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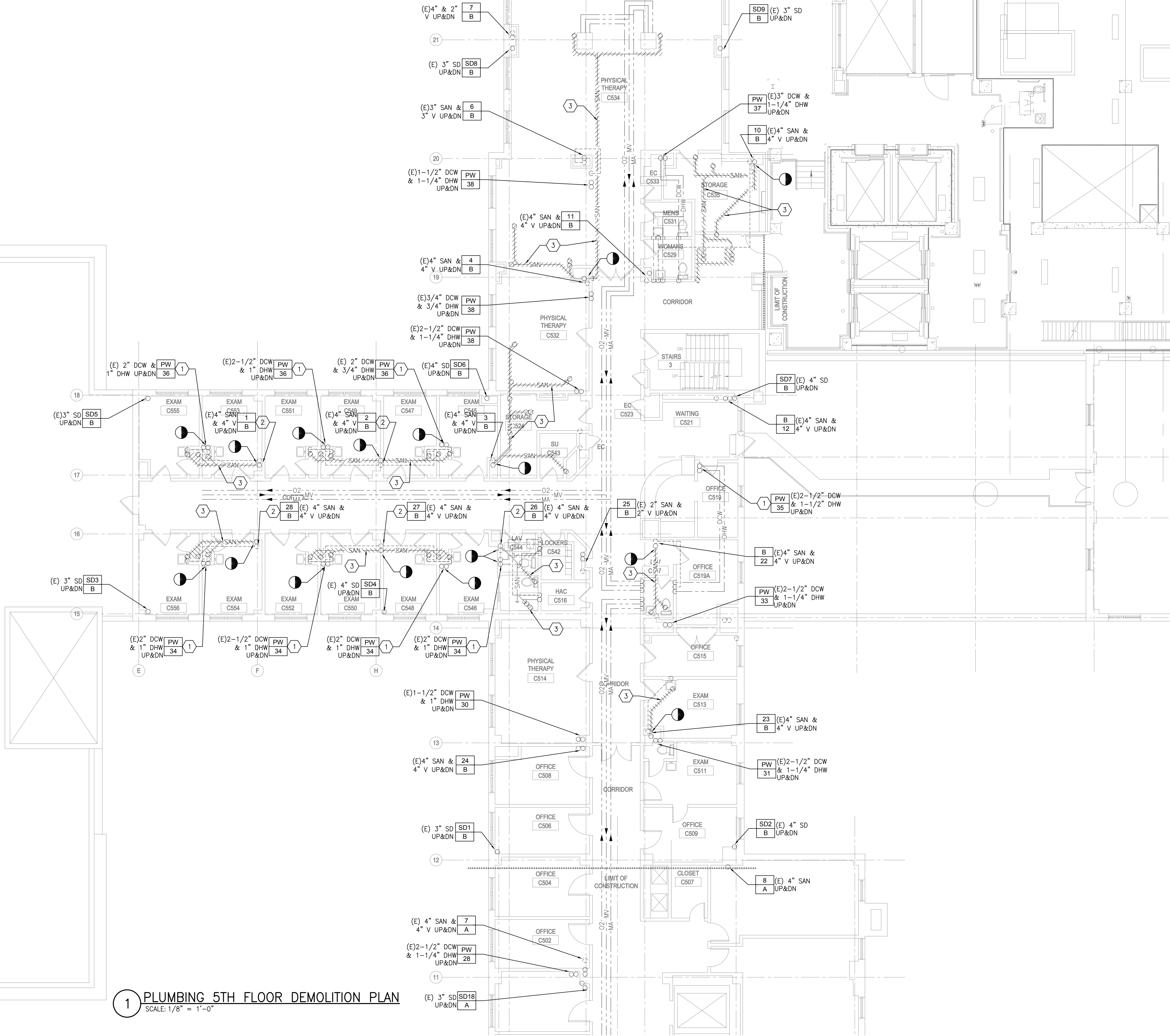


GENERAL SHEET NOTES:

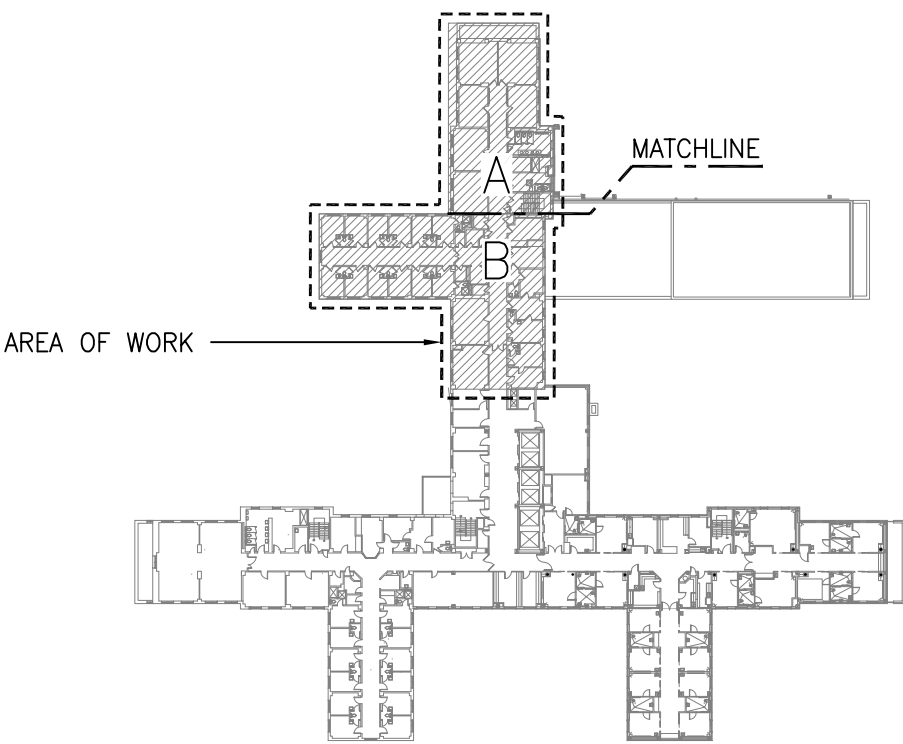
1. REFER TO DRAWING P-001 FOR PLUMBING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO DRAWING P-301 TO 303 FOR PLUMBING SYSTEM RISER DIAGRAMS.
3. REFER TO DRAWING P-401 FOR PLUMBING DETAILS.
4. REFER TO DRAWING P-501 FOR PLUMBING SCHEDULES.

SHEET KEYNOTES:

1. EXISTING DHW & DCW RISERS TO BE RELOCATED, REFER TO NEW WORK DRAWINGS.
2. EXISTING SAN & VENT STACKS TO BE RELOCATED, REFER TO NEW WORK DRAWINGS.
3. EXISTING PIPING AND ASSOCIATED SUPPORTS TO BE REMOVED.



1 PLUMBING 5TH FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NONE

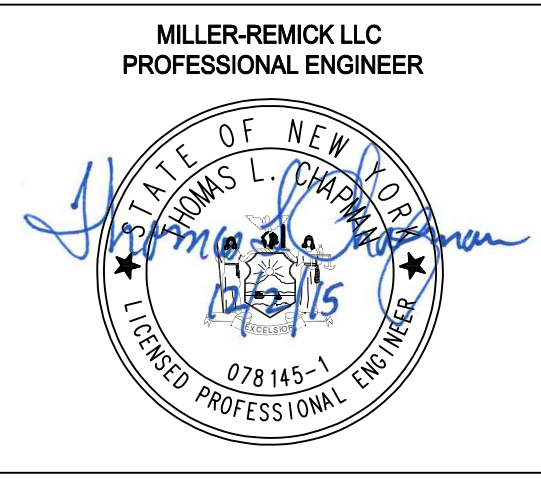
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Revisions	Date

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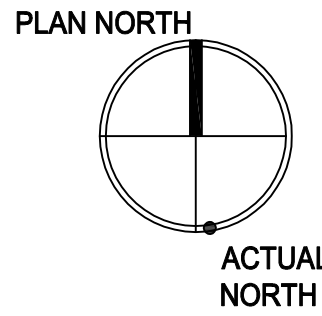
Reviewed: Facility Manager
Reviewed: Facility Director
Reviewed:
Reviewed:

Drawing Title
**PLUMBING
5TH FLOOR
DEMOLITION PLAN**
Approved: Project Director

Project Title
RENOVATION FOR 6C
Building Number
NO. 1
Checked
MC
Drawn
PD
Location
VAMC SYRACUSE, NY

Date
12-04-2015
Project No.
528A7-14-719
DRAWING NO.
PD-151
Dwg. 41 of 74



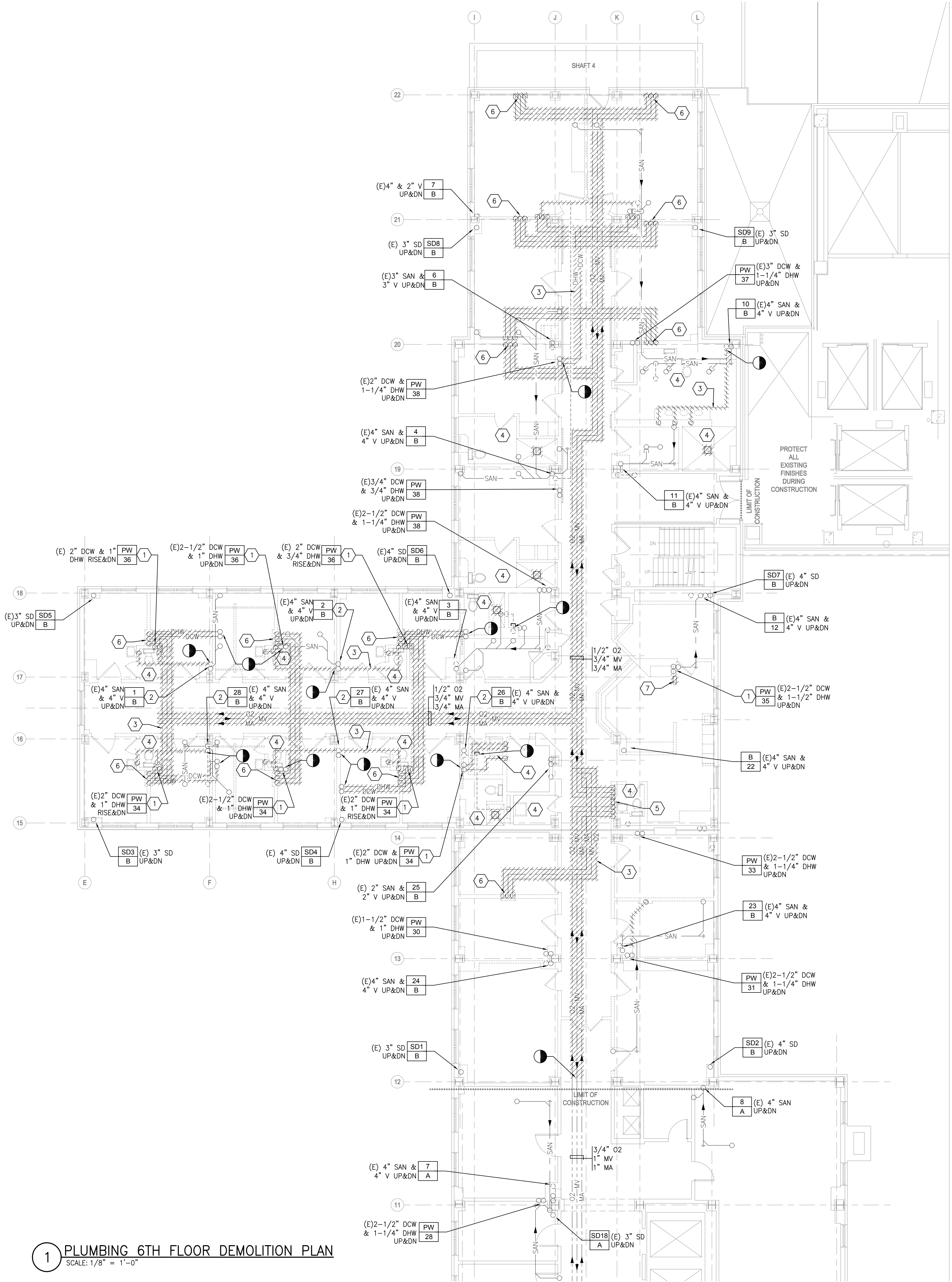


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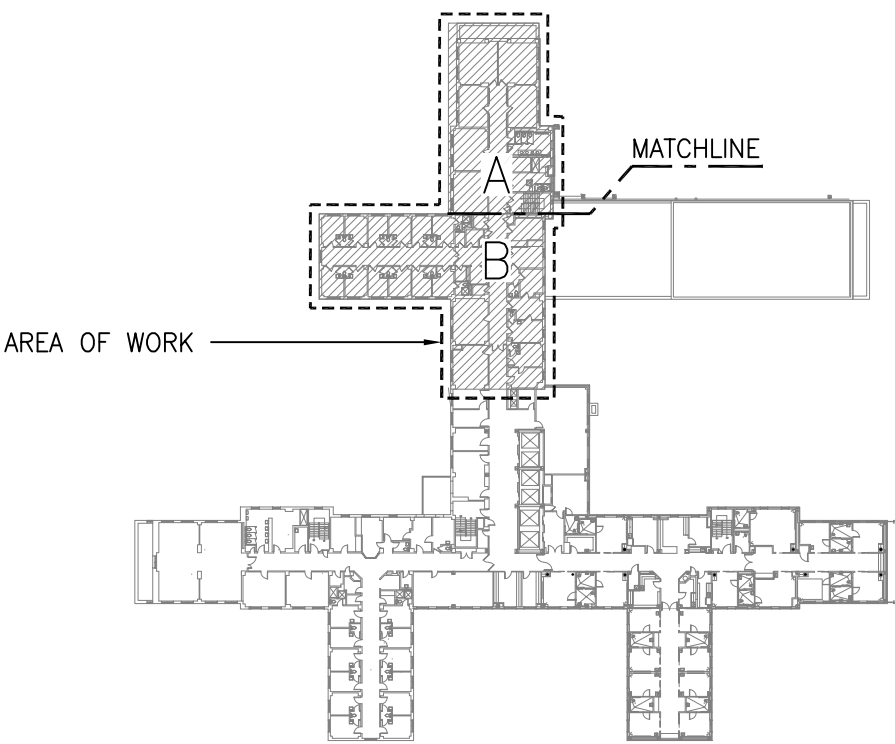
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3. EXISTING PIPING AND ASSOCIATED SUPPORTS TO BE REMOVED.
4. EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING AND SUPPORTS TO BE REMOVED. CAP PIPING BRANCH TO REMAIN BACK AT MAIN OR STACK OR AS INDICATED.
5. EXISTING MEDICAL GAS ZONE VALVE BOX ASSEMBLY TO BE REMOVED.
6. EXISTING MEDICAL GAS PIPING TO PATIENT HEAD WALL UNIT TO BE REMOVED.
7. EXISTING MEDICAL GAS AREA ALARM PANEL TO BE REMOVED.



1 PLUMBING 6TH FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

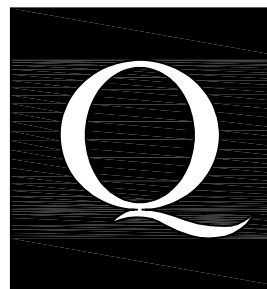


KEY PLAN
SCALE: NONE

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Revisions	Date

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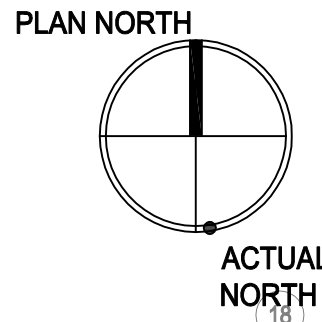
Reviewed: Facility Manager
Reviewed: Facility Director
Reviewed:
Reviewed:

Drawing Title PLUMBING 6TH FLOOR DEMOLITION PLAN
Approved: Project Director

Project Title RENOVATION FOR 6C
Building Number NO. 1
Location VAMC SYRACUSE, NY

Date 12-04-2015
Project No. 528A7-14-719
DRAWING NO. PD-161
Dwg. 42 Of 74



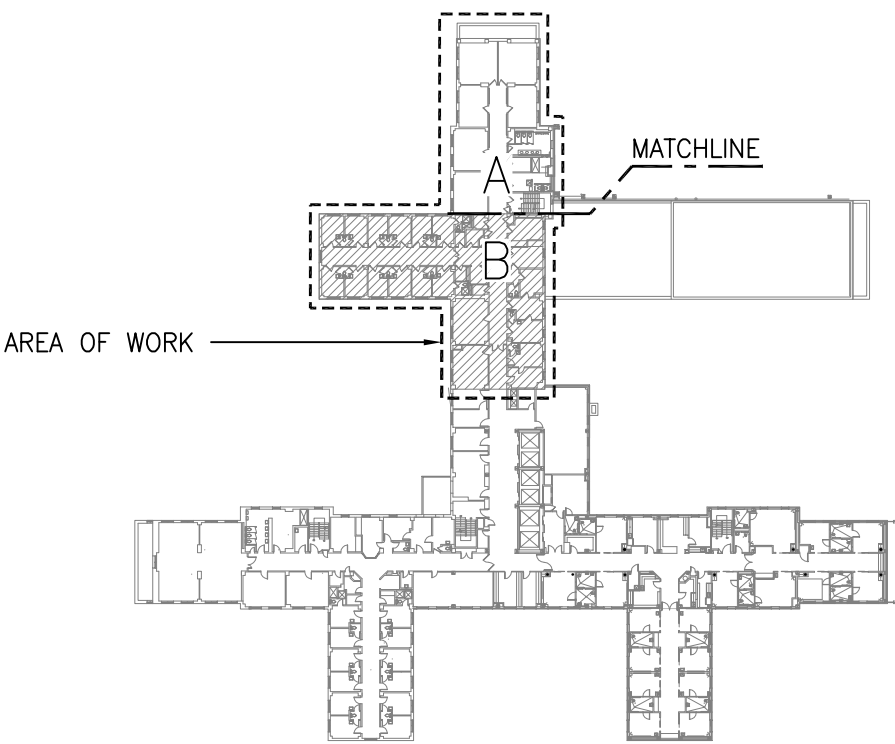


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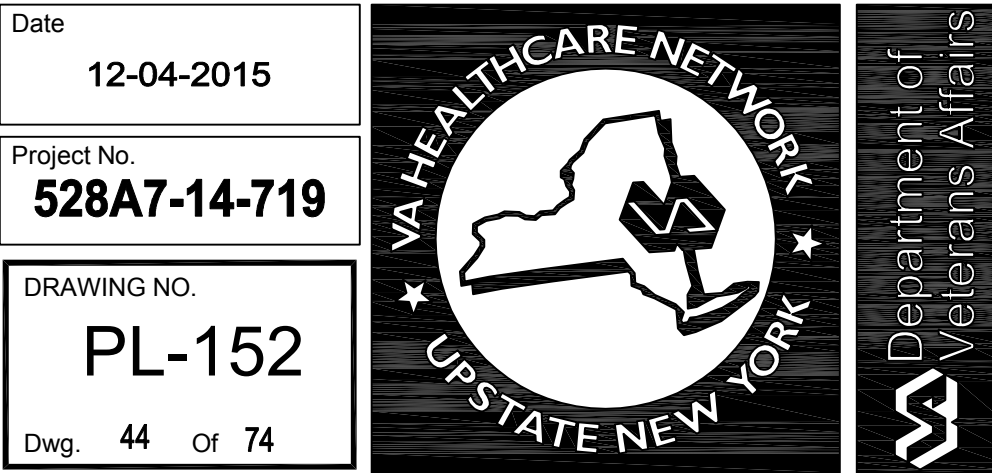
SHEET KEYNOTES:

1. CONNECT NEW 1-1/4" DHW & 2" DCW TO EXISTING RISERS IN CEILING.
2. 1-1/4" DHW & 2" DCW RISERS UP.
3. CONNECT NEW OFFSET 4" SAN & 4" VENT TO EXISTING STACKS IN CEILING.
4. 4" SAN & 4" VENT STACKS UP.
5. 4" SAN UP.
6. 2" SAN UP.
7. 1-1/2" SAN UP.
8. CONNECT NEW 3" SAN TO EXIST WITH EXIST 1-1/2" VENT UP.
9. 2" SAN UP TO FD.
10. 3" SAN UP TO MSB.
11. CONNECT TO EXISTING PIPE STACK IN CEILING.
12. 3" SAN UP TO MR



KEY PLAN
SCALE: NONE

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SCALE: 1/4" = 1'-0"

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ARCHITECTURE
ENGINEERING
SITE & PLANNING
400 S. JEFFERSON STREET
SYRACUSE, NEW YORK 13201-0029
TEL: 315.475.7800 FAX: 315.475.7800
QPK Job Number:



Reviewed: Facility Manager
Reviewed: Facility Director
Reviewed:
Reviewed:

Drawing Title
**PLUMBING
5TH FLOOR PLAN
PART B**

Approved: Project Director

Project Title
RENOVATION FOR 6C

Building Number
NO. 1

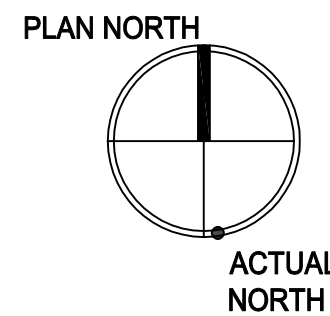
Location
VAMC SYRACUSE, NY

Date
12-04-2015

Project No.
528A7-14-719

DRAWING NO.
PL-152

Dwg. 44 of 74



three inches = one foot

one and one half inches = one foot

one inch = one foot
6" 0

three quarters inch = one foot
6" 0

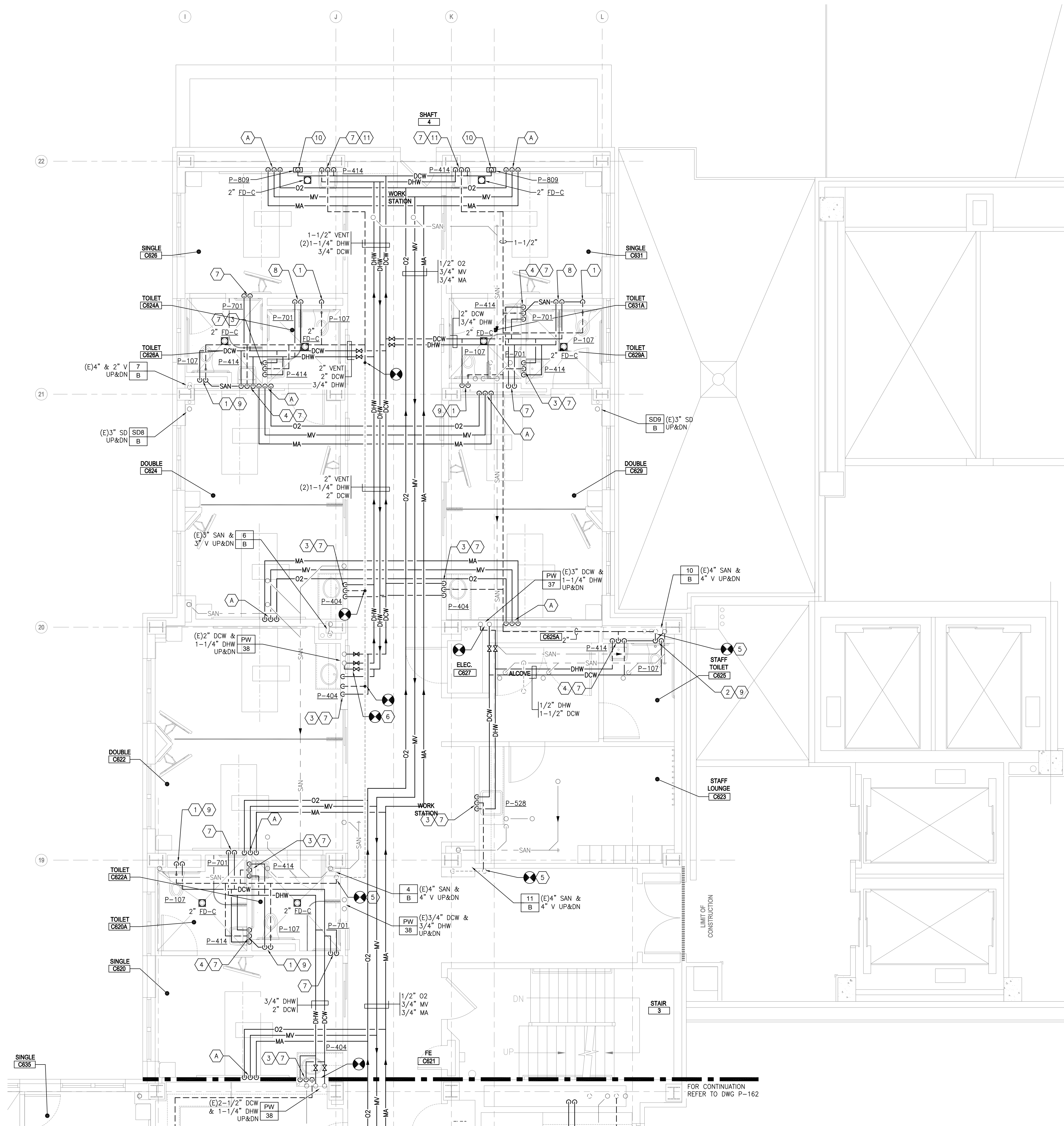
one half inch = one foot

Three eighths inch = one foot

0 quarter inch = one foot
4

one eighth inch = one foot

P:\0499_DVA\3-0499-0060 Syracuse 6C Renovation\2_Drawings\1_Cad\1_Current Submittal Phase\5_Plumbing\PL-161.dwg 12-02-15 11:45:11 AM pdaan



GENERAL SHEET NOTES:

1. REFER TO DRAWING P-001 FOR PLUMBING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO DRAWING P-301 TO 303 FOR PLUMBING SYSTEM RISER DIAGRAMS.
3. REFER TO DRAWING P-401 FOR PLUMBING DETAILS.
4. REFER TO DRAWING P-501 FOR PLUMBING SCHEDULES.

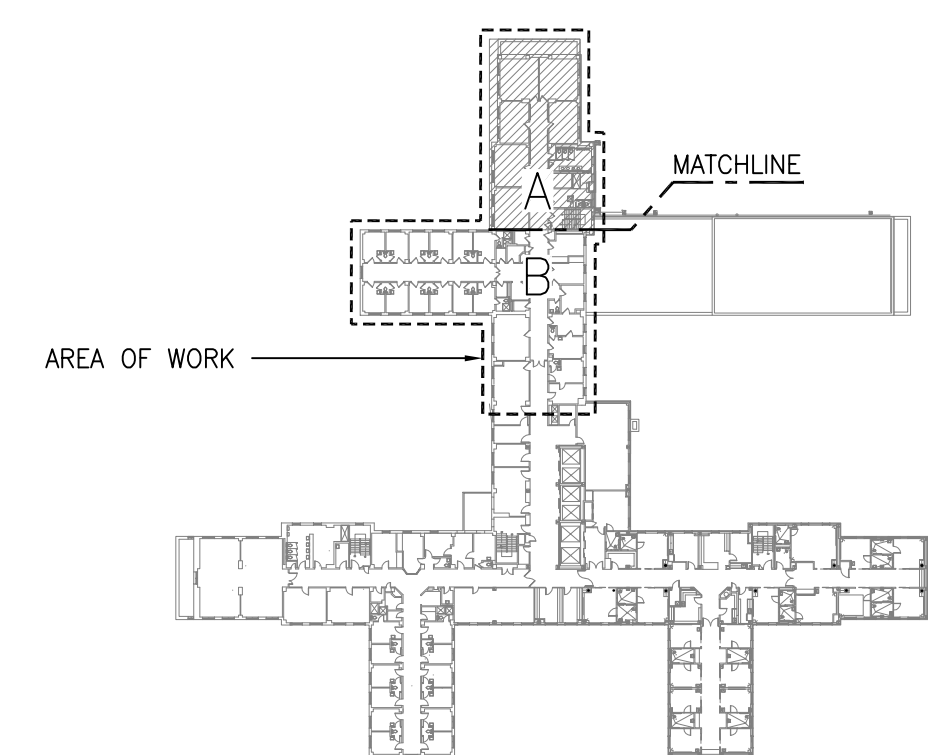
⬡ SHEET KEYNOTES:

MEDICAL GAS SYSTEMS

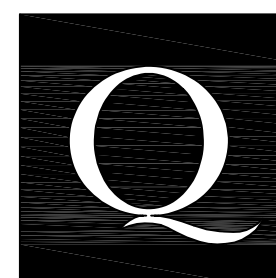
A. 3/4" MV, 1/2" O2, & 1/2" MA DROP TO PATIENT BED HEADWALL OUTLETS, REFER TO DETAIL 1 & 8/P-401.

PLUMBING SYSTEMS

1. 4" SAN DN & 2" VENT RISER.
2. 4" SAN DROP & 2" VENT RISER.
3. 1-1/2" SAN DN & 1-1/2" VENT RISER.
4. 1-1/2" SAN DROP & 1-1/2" VENT RISER.
5. CONNECT TO EXISTING VENT PIPE STACK IN CEILING.
6. PROVIDE NEW FULL SIZE 6TH FLOOR BY-PASS VALVE IN EXISTING DHW RISER AND PROVIDE NEW LOOP PIPING IN 6TH FLOOR CEILING. (REFER TO RISER DIAGRAM P-302).
7. 1/2" DCW & 1/2" DHW DROP.
8. 1-1/2" DCW & 1/2" DHW DROP.
9. 1-1/2" DCW.
10. 1/2" DCW DROP.
11. 2" SAN DN & 1-1/2" VENT RISER.



**100% FOR CONSTRUCTION
FULLY SPRINKLERED**

[illegible]

Reviewed: Facility Manager
Reviewed: Facility Director
Reviewed:
Reviewed:

Drawing Title
PLUMBING
6TH FOOR PLAN
PART A

Approved: Project Director

Project Title

RENOVATION FOR 6C

Building Number

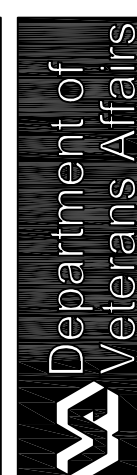
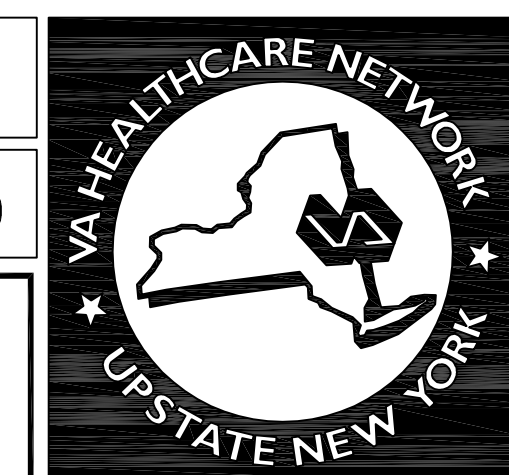
Location	VAMC SYRACUSE, NY
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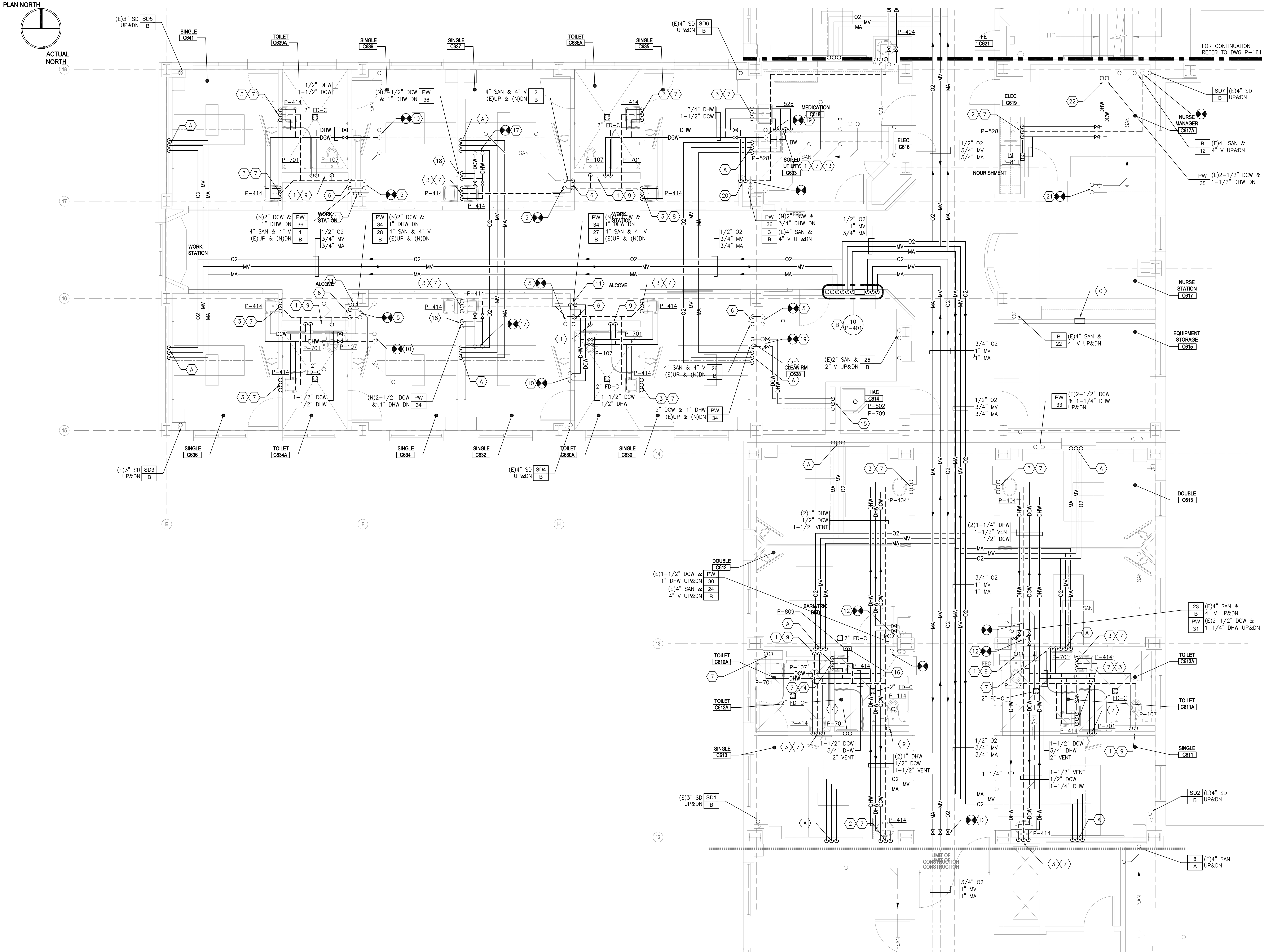
Date
12-04-2015

Project No.
528A7-14-719

DRAWING NO.
DL 161

Dwg. 45 Of 74





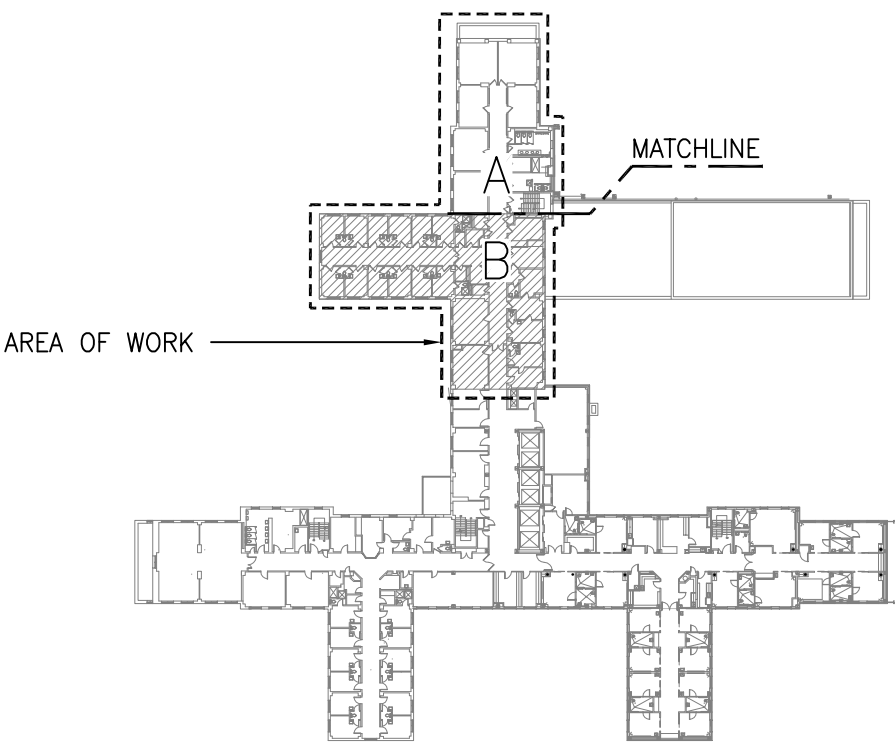
GENERAL SHEET NOTES:

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3. REFER TO DRAWING P-401 FOR PLUMBING DETAILS.
4. REFER TO DRAWING P-501 FOR PLUMBING SCHEDULES.

SHEET KEYNOTES:

- MEDICAL GAS SYSTEMS
- A. 3/4" MV, 1/2" O2, & 1/2" MA DROP TO PATIENT BED HEADWALL OUTLETS, REFER TO DETAIL 1 & 8/P-401.
 - B. 1" MV, 3/4" O2, & 1" MA DROP TO & FROM ZONE VALVE BOX.
 - C. MEDICAL GAS ZONE ALARM PANEL.
 - D. LOCKABLE CONSTRUCTION ISOLATION VALVES.


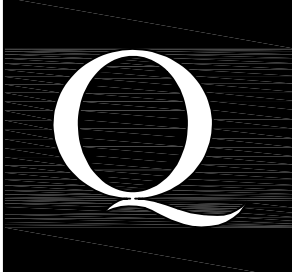


- PLUMBING SYSTEMS
1. 4" SAN DN & 2" VENT RISE.
 2. 2" SAN DN & 1-1/2" VENT RISE.
 3. 1-1/2" SAN DN & 1-1/2" VENT RISE.
 4. CONNECT NEW OFFSET 4" SAN & 4" VENT TO EXISTING STACKS IN CEILING.
 5. 4" SAN & 4" VENT STACKS DN.
 6. 1-1/2" VENT RISE & DN.
 7. 1/2" DCW & 1/2" DHW DROP.
 8. 1-1/2" DCW & 1/2" DHW DROP.
 9. 1-1/2" DCW.
 10. CONNECT NEW 1" DHW & 2" DCW TO EXISTING RISERS IN CEILING.
 11. RELOCATED 1" DHW & 2" DCW RISERS DN.
 12. PROVIDE NEW FULL SIZE 6TH FLOOR BY-PASS VALVE IN EXISTING DHW RISER AND PROVIDE NEW LOOP PIPING IN 6TH FLOOR CEILING. (REFER TO RISER DIAGRAM P-302).
 13. PROVIDE 4" SAN & 1/2" DCW CAPPED CONNECTIONS FOR BW TO BE INSTALLED BY OWNER.
 14. 1-1/2" SAN DROP & 1-1/2" VENT RISE.
 15. 1/2" DCW & 1/2" DHW DROP & EXISTING 1-1/2" VENT RISE & DN.
 16. 1/2" DCW DROP.
 17. CONNECT NEW 1" DHW & 2-1/2" DCW TO EXISTING RISERS IN CEILING.
 18. RELOCATED 1" DHW & 2-1/2" DCW RISERS DN.
 19. CONNECT NEW 3/4" DHW & 2" DCW TO EXISTING RISERS IN CEILING.
 20. RELOCATED 3/4" DHW & 2" DCW RISERS DN.
 21. CONNECT NEW 1-1/2" DHW & 2-1/2" DCW TO EXISTING RISERS IN CEILING.
 22. RELOCATED 1-1/2" DHW & 2-1/2" DCW RISERS DN.



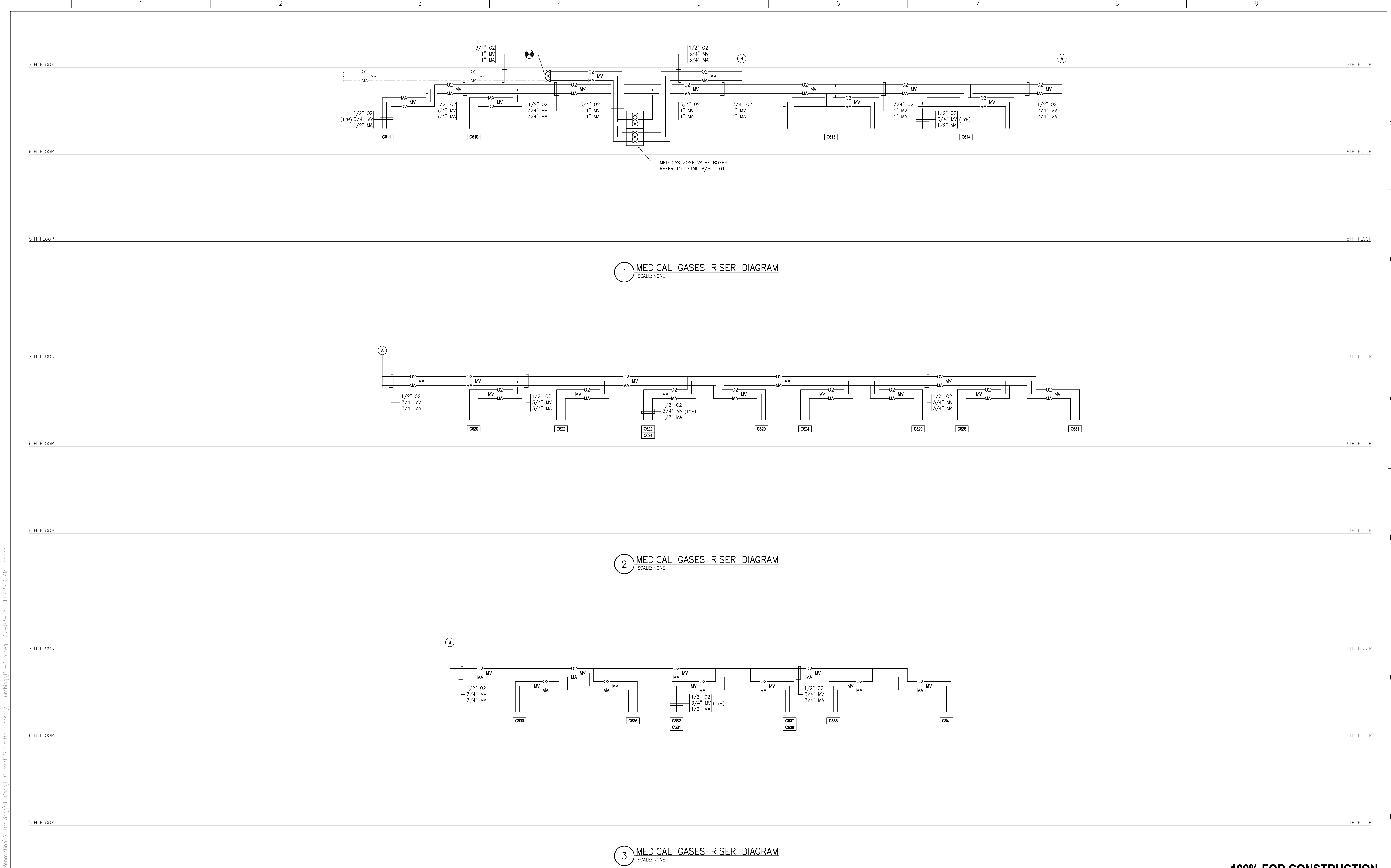
KEY PLAN

SCALE: NONE

100% FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions	Date	 Miller-Remick LLC M.E.P. & Structural Engineering A Service Disabled Veteran Owned Small Business 1010 KINGS HIGHWAY SOUTH CHERRY HILL, NEW JERSEY 08034 PHONE: (856)429-4000 FAX: (856)429-5002	 QPK DESIGN ARCHITECTURE ENGINEERING SITE & PLANNING 400 E. MAIN STREET SYRACUSE, NEW YORK 13201-0001 TEL: 315-455-0000 FAX: 315-455-0000 QPK Job Number:	 MILLER-REMIK LLC PROFESSIONAL ENGINEER	Reviewed: Facility Manager Reviewed: Facility Director Reviewed: Reviewed:	Drawing Title PLUMBING 6TH FOOR PLAN PART B Approved: Project Director	Project Title RENOVATION FOR 6C Building Number NO. 1 Checked JS VRR Location VAMC SYRACUSE, NY	Date 12-04-2015 Project No. 528A7-14-719 DRAWING NO. PL-162 Dwg. 46 Of 74	 VA HEALTHCARE NETWORK UPSTATE NEW YORK Department of Veterans Affairs
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three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



Revisions	Date

Miller-Remick LLC
M.E.P. & Structural Engineering
A Service Disabled/Veteran Owned
Small Business
1010 KINGS HIGHWAY SOUTH
CHERRY HILL, NEW JERSEY 08034
PHONE: (856)429-4000
FAX: (856)429-5002

SDVOSB
Small Business
Veteran Owned

QPK DESIGN
ARCHITECTURE
ENGINEERING
SITE & PLANNING
400 S. MAIN STREET
SYRACUSE, NEW YORK 13201-2029
TEL: 315-475-7800 FAX: 315-475-7800
OPK Job Number:

MILLER-REMIK LLC
PROFESSIONAL ENGINEER

Reviewed: Facility Manager

Reviewed: Facility Director

Reviewed:

Reviewed:

Drawing Title
**PLUMBING
MEDICAL GASES
RISER DIAGRAMS**

Approved: Project Director

Project Title
RENOVATION FOR 6C

Building Number NO. 1	Checked MC	Drawn PD
Location VAMC SYRACUSE, NY		

Date
12-04-2015

Project No.
528A7-14-719

DRAWING NO.
PL-303
Dwg. 49 of 74

VA HEALTHCARE NETWORK
UPSTATE NEW YORK


100% FOR CONSTRUCTION
FULLY SPRINKLERED



9 PIPE HANGER DETAIL
SCALE: NONE

VA FORM 08-6231

Project Title		
RENOVATION FOR 6C		
Building Number NO. 1	Checked MC	Drawn PD
Location VAMC SYRACUSE, NY		



Department of
Veterans Affairs

